

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000606**Date Inspected:** 10-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai

Quality Control Contact:	ABF Paint Supervisor William (Bill) Oak			Quality Control Present:	Yes	No
Material transfer:	Yes	No	N/A	Sampled Items:	Yes	No N/A
Stock Transfer:	Yes	No	N/A	OK to Cut:	Yes	No N/A
Rebar Test Witness:	Yes	No	N/A	Delayed/Cancelled:	Yes	No N/A
Other:	Surface Preparation and Coatings Application					
Bridge No:	34-0006			Component:	OBG 2AW, 1BE, 1AW, Tower L1E	
Bid Item:	77,78,79,80			Lot No:	B226	

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Donald Jordan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

The following inspections were performed by Caltrans QA Coatings Inspector Jordan, American Bridge/Fluor Enterprises, a JV (ABF) Paint Supervisor William (Bill) Oak, ABF QC Zhou Qun Song (Joe), ABF QC David Duon, ABF QC Shi Zhaoyuan (Stone), ABF QC Zhou Wei, International Paint (IP) Onsite Technical Services Engineer (OTSE) Peng Zi Li, IP OTSE Alpha Chen, Zhenhua Port Machinery Company, LTD (ZPMC) QC Manager Xia Yong, ZPMC QC Zhang Diang, ZPMC QC Dong Yao Fei and ZPMC QC Guo Wan Li.

OBG 2AW

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC to view the internal primer condition of OBG 2AW prior to the OBG being removed from the paint shop to the trial assembly area.

There were several holidays and runs pointed out to the QC staff. Further touch up is required prior to transporting the unit.

OBG 1AW

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC to locate visual surface anomalies and weld defects on the floor area of OBG 1AW. ABF verbally requested that the Caltrans welding staff be notified to perform VT inspection after blast. Areas requiring grinding

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were identified and marked by QC and QA staff. Caltrans QA Weld Inspector's Eric Prue performed VT inspection to locate and mark any weld repairs required. The weld repair spots were identified by placing tape over the area so it can be located after primer application. After the inspection was complete, grinding was performed to remove base metal defects. Abrasive blasting resumed after grinding was completed. NO ZPMC or ABF steel inspectors were on site looking at the welds.

OBG 1BE

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC to witness adhesion testing on OBG 1BE. Adhesion testing was performed in accordance with the requirements in ASTM Designation: D 4541. The pull test met the contract requirements of having a minimum adhesion to steel of 4 MPa.

Tower

Caltrans QA Coatings Inspectors received Notices of Inspection to attend joint inspections with ABF and ZPMC QC for checking the exterior surfaces of tower lift 1 East after degreasing. Several spots of what appeared to be oil or grease were identified and pointed out to ZPMC personnel. The spots were solvent cleaned to remove deleterious materials. There was no access to the top portion of the tower segment. ZPMC called off the inspection after Caltrans QA Coatings Inspector Jordan pointed out numerous spots of contamination. The tie down cables were coated with grease allowing more contamination to continue. ZPMC stated the degreasing and other issues would be resolved prior to sending out another Notice of Inspection.

Fabrication on assembled components of the OBG's are not complete. Coating damage requiring re-blast is expected.



Summary of Conversations:

There were no relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh (China) +8613472477571, who represents the Office of Structural Materials for your project.

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Inspected By:	Jordan,Don	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
